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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,880	07/10/2003	Benjamin David Silverman	YOR920030162US1	2640
	7590 06/10/200 N & LEWIS, LLP	EXAMINER		
1300 POST RO		NEGIN, RUSSELL SCOTT		
SUITE 205 FAIRFIELD, C	T 06824	ART UNIT	PAPER NUMBER	
			1631	
			MAIL DATE	DELIVERY MODE
			06/10/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/616,880	SILVERMAN, BENJAMIN DAVID		
Examiner	Art Unit		
LAMITIME	Art Unit		

	NUSSELL S. NEGIN	1631	
The MAILING DATE of this communication appe	ars on the cover sheet with the c	correspondence add	ress
THE REPLY FILED <u>01 June 2009</u> FAILS TO PLACE THIS APF	LICATION IN CONDITION FOR A	LLOWANCE.	
1. The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appelor Continued Examination (RCE) in compliance with 37 C periods:	replies: (1) an amendment, affidavi eal (with appeal fee) in compliance	t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
a) The period for reply expiresmonths from the mailing	date of the final rejection.		
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire la Examiner Note: If box 1 is checked, check either box (a) or (MONTHS OF THE FINAL REJECTION. See MPEP 706.07(ater than SIX MONTHS from the mailing b). ONLY CHECK BOX (b) WHEN THE f).	g date of the final rejection FIRST REPLY WAS FII	on. LED WITHIN TWO
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of extunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	ension and the corresponding amount hortened statutory period for reply origi	of the fee. The appropria nally set in the final Offic	ate extension fee e action; or (2) as
2. The Notice of Appeal was filed on A brief in comp	liance with 37 CFR 41.37 must be	filed within two months	s of the date of
filing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed w AMENDMENTS	nsion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	
3. X The proposed amendment(s) filed after a final rejection, b	out prior to the date of filing a brief,	will not be entered be	cause
(a) ☑ They raise new issues that would require further cor		ΓE below);	
(b) They raise the issue of new matter (see NOTE belo	**		
(c) They are not deemed to place the application in bet	ter form for appeal by materially red	ducing or simplifying t	ne issues for
appeal; and/or (d) ☐ They present additional claims without canceling a c	corresponding number of finally reig	otod claims	
NOTE: <u>See Continuation Sheet</u> . (See 37 CFR 1.1		cted claims.	
4. The amendments are not in compliance with 37 CFR 1.12		mnliant Amandmant (DTOL 324)
 5. Applicant's reply has overcome the following rejection(s): 		mpliant Amendment (i	F 10L-324).
6. Newly proposed or amended claim(s) would be all		imely filed amendmer	at canceling the
non-allowable claim(s).	owable il subfilited ill a separate, i	illiely liled afficilidifier	it cancelling the
7. For purposes of appeal, the proposed amendment(s): a) I how the new or amended claims would be rejected is prov. The status of the claim(s) is (or will be) as follows:		l be entered and an e	xplanation of
Claim(s) allowed:			
Claim(s) objected to:			
Claim(s) rejected: <u>1,3-5,7-9,14,15,17 and 19-21</u> .			
Claim(s) withdrawn from consideration:			
AFFIDAVIT OR OTHER EVIDENCE 8. ☐ The affidavit or other evidence filed after a final action, bu because applicant failed to provide a showing of good and			
was not earlier presented. See 37 CFR 1.116(e).	a Nation of Annual but prior to the	data of filing a briaf w	vill not bo
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to o showing a good and sufficient reasons why it is necessary 	vercome <u>all</u> rejections under appea	al and/or appellant fail:	s to provide a
10. 🔲 The affidavit or other evidence is entered. An explanation	n of the status of the claims after er	ntry is below or attach	ed.
REQUEST FOR RECONSIDERATION/OTHER			
11. The request for reconsideration has been considered but See Continuation Sheet.		condition for allowan	ce because:
12. ☐ Note the attached Information <i>Disclosure Statement</i>(s). (13. ☐ Other:	P I O/Sb/U6) Paper N0(\$)		
/Marjorie Moran/			
Supervisory Patent Examiner, Art Unit 1631			

Continuation of 3. NOTE: The individual computerized limitations of each step of the method cliam 1, while overcoming the 35 USC 101 rejection if the amendment were entered, narrows that claimed embodiments from a general computer to perform the claimed algorithm to a method performed with a specific computer element for each step. Such a narrowing of the process by which each step of the claim is automated raises new grounds for search consideration as each of the specific elements recited must be assessed for prior art.

Continuation of 11. does NOT place the application in condition for allowance because:

Applicant's arguments filed 1 June 2009 have been fully considered but they are not persuasive.

Applicant first argues that Eisenberg et al. does not use a calculation of a first order moment. This is not persuasive because the abstract of Eisenberg et al. has the equation for a first order hydrophobic moment.

Applicant next argues that Eisenberg et al. does not show an enhanced correlation between residue centroid magnitude and residue solvent accessibility.

While applicant argues that the Examiner has changed opinions regarding Eisenberg et al. and this limitation, it is noted that this position (i.e. Eisenberg et al. does teach this correlation) is explained in the NON-FINAL Office action of 27 October 2008. Applicant contends, however, that Eisenberg et al. does not teach this limitation. In making arguments, applicant has taken Eisenberg et al. out of context. Specifically, the complete passage that applicant takes from Eisenberg et al. at the bottom of page 11 of the Remarks states, "The abscissa value of Fig. 2 reflects the solubility of each helix in a non-polar medium, the points falling to the right representing helices which prefer a non-polar medium to a polar medium. The ordinate reflects the tendency of a helix to assume a preferred orientation at an interface between polar and non-polar media." Consequently, as the ordinate access is correlated with the abscissa in Figure 2 of Eisenberg et al., and the abscissa pertains to solvent accessibility, the ordinate access is correlated with solvent accessibility.

Applicant additionally argues that Eisenberg et al. does not teach the limitation "wherein each residue centroid having a same fractional distance to a surface of the tertiary protein structure as one or more additional residue centroids contributed an equivalent magnitude to the global linear hydrophobic moment." This argument is not persuasive because there is no active step of calculating a fractional distance; the only requirement is that residue centroids HAVING the same fractional distance contribute an equivalent magnitude to the hydrophobic moment. Therefore, since none of the centroids have an exactly equal distance to the surface of the protein, there are no centroids that meet this limitation- consequently, this limitation of the independent claims is met by Eisenberg et al.

Applicants also argue that the amendments to the instant claims overcome the rejections of record. However, this argument is most since the amendments are not entered.